

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/922,067 F  
Source: IFW16  
Date Processed by STIC: 1/3/05

***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 09/922,067F

CRF Edit Date: 1/4/05  
Edited by: Ar

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

---

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

---

J Deleted: J invalid beginning/end-of-file text ;    page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

---

— Moved responses to same line as heading/numeric identifier, specifically:

---

J Other: Sequence 7-deleted <220> response

---

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IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,067F

DATE: 01/04/2005

TIME: 09:17:41

Input Set : A:\PTO.AMC.txt  
 Output Set: N:\CRF4\01042005\I922067F.raw

4 <110> APPLICANT: MacPhee, Colin Houston  
 5 Tew, David Graham  
 6 Southan, Christopher Donald  
 7 Hickey, Deirdre Mary Bernadette  
 8 Gloer, Israel Simon  
 9 Lawrence, Geoffrey Mark Prouse  
 10 Rice, Simon Quentyn John  
 12 <120> TITLE OF INVENTION: Lipoprotein Associated Phospholipase A2,  
 13 Inhibitors Thereof and Use of the Same in Diagnosis and  
 14 Therapy  
 16 <130> FILE REFERENCE: P30693C4X1C1  
 18 <140> CURRENT APPLICATION NUMBER: 09/922,067F  
 19 <141> CURRENT FILING DATE: 2001-08-03  
 21 <150> PRIOR APPLICATION NUMBER: 09/193,130  
 22 <151> PRIOR FILING DATE: 2000-11-28  
 24 <150> PRIOR APPLICATION NUMBER: 08/387,858  
 25 <151> PRIOR FILING DATE: 1994-06-24  
 27 <150> PRIOR APPLICATION NUMBER: PCT/GB94/01374  
 28 <151> PRIOR FILING DATE: 1994-06-24  
 30 <150> PRIOR APPLICATION NUMBER: GB 9313144.9  
 31 <151> PRIOR FILING DATE: 1993-06-25  
 33 <160> NUMBER OF SEQ ID NOS: 14  
 35 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 37 <210> SEQ ID NO: 1  
 38 <211> LENGTH: 37  
 39 <212> TYPE: PRT  
 40 <213> ORGANISM: Homo sapien  
 42 <400> SEQUENCE: 1  
 43 Met Leu Lys Leu Lys Gly Asp Ile Asp Ser Asn Ala Ala Ile Asp Leu  
 44 1 5 10 15  
 45 Ser Asn Lys Ala Ser Leu Ala Phe Leu Gln Lys His Leu Gly Leu His  
 46 20 25 30  
 47 Lys Asp Phe Asp Gln  
 48 35  
 51 <210> SEQ ID NO: 2  
 52 <211> LENGTH: 30  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Homo sapien  
 56 <400> SEQUENCE: 2  
 57 Trp Met Phe Pro Leu Gly Asp Glu Val Tyr Ser Arg Ile Pro Gln Pro  
 58 1 5 10 15  
 59 Leu Phe Phe Ile Asn Ser Glu Tyr Phe Gln Tyr Pro Ala Asn  
 60 20 25 30

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,067F

DATE: 01/04/2005

TIME: 09:17:41

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01042005\I922067F.raw

63 <210> SEQ ID NO: 3  
 64 <211> LENGTH: 27  
 65 <212> TYPE: PRT  
 66 <213> ORGANISM: Homo sapien  
 68 <400> SEQUENCE: 3  
 69 Gln Tyr Ile Asn Pro Ala Val Met Ile Thr Ile Arg Gly Ser Val His  
 70 1 5 10 15  
 71 Gln Asn Phe Ala Asp Phe Thr Phe Ala Thr Gly  
 72 20 25  
 75 <210> SEQ ID NO: 4  
 76 <211> LENGTH: 19  
 77 <212> TYPE: PRT  
 78 <213> ORGANISM: Homo sapien  
 80 <400> SEQUENCE: 4  
 81 Trp Leu Met Gly Asn Ile Leu Arg Leu Leu Phe Gly Ser Met Thr Thr  
 82 1 5 10 15  
 83 Pro Ala Asn  
 87 <210> SEQ ID NO: 5  
 88 <211> LENGTH: 420  
 89 <212> TYPE: DNA  
 90 <213> ORGANISM: Homo sapien  
 92 <220> FEATURE:  
 93 <221> NAME/KEY: misc\_feature  
 94 <222> LOCATION: 265, 390, 395, 403, 406  
 95 <223> OTHER INFORMATION: n = A,T,C or G  
 97 <400> SEQUENCE: 5  
 98 aaaaaaccta ttttaatcct aattgtattt ctctattcct gaagagttct gtaacatgtat 60  
 99 gtgttggattg gttgtgttaa tgggtgtccc tggataaga ttctcatcat ctccttcaat 120  
 100 caagcagtcc cactgatcaa aatctttatg aagtccctaaa tgctttgtt agaatgctaa 180  
 101 tgaagcttttgg tggctaaatg caatagctgc atttgaatct atgtctccct ttaatttgag 240  
 W--> 102 catgtgtcca attattttgc cagtncaa agtgaagtca gcaaaattctt ggtggactga 300  
 103 acccctgatt gtaatcatct ttctttcttt atcaggtgag tagcattttt tcatttttat 360  
 104 gatatttagca ggtatattgga aatattcagn gttgntaaaa agnggnggct gagggattct 420  
 107 <210> SEQ ID NO: 6  
 108 <211> LENGTH: 379  
 109 <212> TYPE: DNA  
 110 <213> ORGANISM: Homo sapien  
 112 <220> FEATURE:  
 113 <221> NAME/KEY: misc\_feature  
 114 <222> LOCATION: 84  
 115 <223> OTHER INFORMATION: n = A,T,C or G  
 117 <400> SEQUENCE: 6  
 118 tgctaataatc ataaaaatgta aaaaatgcta ctcacctgat aaagaaaagaa agatgattac 60  
 W--> 119 aatcagggggt tcagtcacc agantttgc tgacttcaact tttgcaactg gcaaaataat 120  
 120 tggacacatgtt ctc当地atggagacat agattcaat gtagctattt atcttagcaa 180  
 121 caaagcttca ttagcattct tacaaaagca tttaggactt cataaagatt ttgttcagtg 240  
 122 ggactgcttgg attgaaggag atgatgagaa tcttattcca gggaccaaca ttaacacaac 300  
 123 caattcaaca catcatgtttt acagaacttc ttccaggaa taggaggaaa tacaattggg 360  
 124 gtttaaaata ggtttttttt 379

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,067F

DATE: 01/04/2005

TIME: 09:17:41

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01042005\I922067F.raw

126 <210> SEQ ID NO: 7  
 127 <211> LENGTH: 279  
 128 <212> TYPE: DNA  
 129 <213> ORGANISM: Homo sapien  
 131 <220> FEATURE:  
 132 <221> NAME/KEY: misc\_feature  
 133 <222> LOCATION: 257  
 134 <223> OTHER INFORMATION: n = A,T,C or G  
 136 <400> SEQUENCE: 7  
 137 gaagaatgca ttagatttaa agtttgcata ggaacaactg aaggactcta ttgataggga 60  
 138 aaaaatagca gtaattggac attctttgg tggagcaacg gttattcaga ctcttagtga 120  
 139 agatcagaga ttcagatgtg gtattgcctt ggtatcatgg atgttccac tgggtatga 180  
 140 agtatattcc agaattcctc agcccccttt ttttatcaac tctgaatatt tccaatatcc 240  
 W--> 141 tgctaataatc ataaaantgg aaaaatgcta ctcacctgg 279  
 143 <210> SEQ ID NO: 8  
 144 <211> LENGTH: 572  
 145 <212> TYPE: DNA  
 146 <213> ORGANISM: Homo sapien  
 148 <400> SEQUENCE: 8  
 149 aaaaatagcag taattggaca ttcttttaggt ggagcaacgg ttattcagac tcttagtga 60  
 150 gatcagagat tcagatgtgg tattgcctc gatcatgg tggttccact ggggtatgaa 120  
 151 gatatattcca gaattcctca gcccctctt tttatcaact ctgaatattt ccaatatcc 180  
 152 gctaataatca taaaaatgaa aaaaatgtac tcacctgata aagaaaagaaa gatgattaca 240  
 153 atcagggggtt cagtccacca gaattttgtt gacttcattt ttgcaactgg caaaataatt 300  
 154 ggacacatgc tcaaattaaa gggagacata gattcaatg tagcttatga tcttagcaac 360  
 155 aaagcttcat cagcattctt acaaaaagcat tttagacttc ataaaagattt tgatcagtgg 420  
 156 gactgcttga ttgaaggaga ttagtggaaat cttattccat ggaccaacat taacacaacc 480  
 157 aatcaacaca tcatgttaca gaactcttc ggaatagaga aatacaatta ggattaaaat 540  
 158 agttttta aaaaaaaaaa aaaaaaaaaact cg 572  
 160 <210> SEQ ID NO: 9  
 161 <211> LENGTH: 1361  
 162 <212> TYPE: DNA  
 163 <213> ORGANISM: Homo sapien  
 165 <400> SEQUENCE: 9  
 166 tgagagacta agctgaaact gctgctcagc tcccaagatg gtgccaccca aattgcattgt 60  
 167 gctttctgc ctctcggtt gcctggctgt ggtttacatct tttgactggc aatacataaa 120  
 168 tcctgttgcc catatggaaat catcagcatg ggtcaacaaa atacaagtag ttagtgc 180  
 169 tgcagctttt gccaacta aaatcccccg gggaaatggg ctttattccg ttgttgc 240  
 170 agacttaatg tttgatcaca ctaataaggg cacccatctt cgtttatattt atccatccca 300  
 171 agataatgtt cgccttgaca ccctttggat cccaaataaa gaatattttt ggggtcttag 360  
 172 caaatttctt ggaacacact ggcttatggg caacattttt aggttactct ttgttcaat 420  
 173 gacaactcctt gcaactgga attccccctt gaggcctggt gaaaaatatc cacttgc 480  
 174 ttttctcat ggtctgggg cattcaggac actttattct gctattggca ttgacctggc 540  
 175 atctcatggg tttatagttt ctgctgttgc acacagatg agatctgcat ctgcaactta 600  
 176 ctatattcaag gaccaatctg ctgcagaaat agggacaag tcttggctct accttagaaac 660  
 177 cctgaaacaa gaggaggaga cacatatacg aaatgagcag gtacggcaaa gagaaaaga 720  
 178 atgttcccaa gctctcgttgc tgattcttgc cattgatcat gggaaagccag tgaagaatgc 780  
 179 attagattta aagtttgata tggaaacaactt gaagactctt attgataggg aaaaaatagc 840  
 180 agtaatttggc cattcttttgc gtggagcaac ggttattcag actcttagtgc aagatcagag 900

RAW SEQUENCE LISTING DATE: 01/04/2005  
PATENT APPLICATION: US/09/922,067F TIME: 09:17:41

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\01042005\I922067F.raw

181 attcagatgt ggtattgcc tggatgcatt gatgtttcca ctgggtgatg aagtatattc 960  
182 cagaattcct cagccctct ttttatcaa ctctgaatat ttccaatatc ctgtaatat 1020  
183 cataaaaatg aaaaaatgct actcacctga taaagaaaaga aagatgatta caatcagggg 1080  
184 ttccatccac cagaattttg ctgacttcac ttttgcact ggcaaaataa ttggacacat 1140  
185 gctcaaatta aagggagaca tagattcaa tgcaactt gatcttagca acaaagcttc 1200  
186 attagcattc ttacaaaagc atttaggact tcataaaagat tttgatcagt gggactgctt 1260  
187 gattgaagga gatgatgaga atcttattcc agggaccaac attaacaacaa ccaatcaaca 1320  
188 catcatgtta cagaactctt caggaataga gaaatacaat t 1361  
191 <210> SEQ ID NO: 10  
192 <211> LENGTH: 7  
193 <212> TYPE: PRT  
194 <213> ORGANISM: Homo sapien  
196 <400> SEQUENCE: 10  
197 Gln Tyr Ile Asn Pro Val Ala  
198 1 5  
201 <210> SEQ ID NO: 11  
202 <211> LENGTH: 20  
203 <212> TYPE: PRT  
204 <213> ORGANISM: Homo sapien  
206 <400> SEQUENCE: 11  
207 Met Ile Thr Ile Arg Gly Ser Val His Gln Asn Phe Ala Asp Phe Thr  
208 1 5 10 15  
209 Phe Ala Thr Gly  
210 20  
213 <210> SEQ ID NO: 12  
214 <211> LENGTH: 7  
215 <212> TYPE: PRT  
216 <213> ORGANISM: Homo sapien  
218 <400> SEQUENCE: 12  
219 Gln Tyr Ile Asn Pro Ala Val  
220 1 5  
223 <210> SEQ ID NO: 13  
224 <211> LENGTH: 5  
225 <212> TYPE: PRT  
226 <213> ORGANISM: Homo sapien  
228 <400> SEQUENCE: 13  
229 Gln Tyr Ile Asn Pro  
230 1 5  
233 <210> SEQ ID NO: 14  
234 <211> LENGTH: 441  
235 <212> TYPE: PRT  
236 <213> ORGANISM: Homo sapien  
238 <400> SEQUENCE: 14  
239 Met Val Pro Pro Lys Leu  
240 1 5  
242 His Val Leu Phe Cys Leu Cys Gly Cys Leu Ala Val Val Tyr Pro Phe  
243 10 15 20  
245 Asp Trp Gln Tyr Ile Asn Pro Val Ala His Met Lys Ser Ser Ala Trp  
246 25 30 35

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/922,067F

DATE: 01/04/2005  
TIME: 09:17:41

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\01042005\I922067F.raw

248 Val Asn Lys Ile Gln Val Leu Met Ala Ala Ala Ser Phe Gly Gln Thr  
249 40 45 50  
251 Lys Ile Pro Arg Gly Asn Gly Pro Tyr Ser Val Gly Cys Thr Asp Leu  
252 55 60 65 70  
254 Met Phe Asp His Thr Asn Lys Gly Thr Phe Leu Arg Leu Tyr Tyr Pro  
255 75 80 85  
257 Ser Gln Asp Asn Asp Arg Leu Asp Thr Leu Trp Ile Pro Asn Lys Glu  
258 90 95 100  
260 Tyr Phe Trp Gly Leu Ser Lys Phe Leu Gly Thr His Trp Leu Met Gly  
261 105 110 115  
263 Asn Ile Leu Arg Leu Leu Phe Gly Ser Met Thr Thr Pro Ala Asn Trp  
264 120 125 130  
266 Asn Ser Pro Leu Arg Pro Gly Glu Lys Tyr Pro Leu Val Val Phe Ser  
267 135 140 145 150  
269 His Gly Leu Gly Ala Phe Arg Thr Leu Tyr Ser Ala Ile Gly Ile Asp  
270 155 160 165  
272 Leu Ala Ser His Gly Phe Ile Val Ala Ala Val Glu His Arg Asp Arg  
273 170 175 180  
275 Ser Ala Ser Ala Thr Tyr Tyr Phe Lys Asp Gln Ser Ala Ala Glu Ile  
276 185 190 195  
278 Gly Asp Lys Ser Trp Leu Tyr Leu Arg Thr Leu Lys Gln Glu Glu Glu  
279 200 205 210  
281 Thr His Ile Arg Asn Glu Gln Val Arg Gln Arg Ala Lys Glu Cys Ser  
282 215 220 225 230  
284 Gln Ala Leu Ser Leu Ile Leu Asp Ile Asp His Gly Lys Pro Val Lys  
285 235 240 245  
287 Asn Ala Leu Asp Leu Lys Phe Asp Met Glu Gln Leu Lys Asp Ser Ile  
288 250 255 260  
290 Asp Arg Glu Lys Ile Ala Val Ile Gly His Ser Phe Gly Gly Ala Thr  
291 265 270 275  
293 Val Ile Gln Thr Leu Ser Glu Asp Gln Arg Phe Arg Cys Gly Ile Ala  
294 280 285 290  
296 Leu Asp Ala Trp Met Phe Pro Leu Gly Asp Glu Val Tyr Ser Arg Ile  
297 295 300 305 310  
299 Pro Gln Pro Leu Phe Phe Ile Asn Ser Glu Tyr Phe Gln Tyr Pro Ala  
300 315 320 325  
302 Asn Ile Ile Lys Met Lys Lys Cys Tyr Ser Pro Asp Lys Glu Arg Lys  
303 330 335 340  
305 Met Ile Thr Ile Arg Gly Ser Val His Gln Asn Phe Ala Asp Phe Thr  
306 345 350 355  
308 Phe Ala Thr Gly Lys Ile Ile Gly His Met Leu Lys Leu Lys Gly Asp  
309 360 365 370  
311 Ile Asp Ser Asn Ala Ala Ile Asp Leu Ser Asn Lys Ala Ser Leu Ala  
312 375 380 385 390  
314 Phe Leu Gln Lys His Leu Gly Leu His Lys Asp Phe Asp Gln Trp Asp  
315 395 400 405  
317 Cys Leu Ile Glu Gly Asp Asp Glu Asn Leu Ile Pro Gly Thr Asn Ile  
318 410 415 420  
320 Asn Thr Thr Asn Gln His Ile Met Leu Gln Asn Ser Ser Gly Ile Glu

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/04/2005  
PATENT APPLICATION: US/09/922,067F TIME: 09:17:42

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\01042005\I922067F.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 265,390,395,403,406

Seq#: 6 N Pos. 84

Seq#:6; N Pos. 31

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/922,067F

DATE: 01/04/2005

TIME: 09:17:42

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01042005\I922067F.raw

L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240

M:341 Repeated in SeqNo=5

L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:60

L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:240



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,067F

DATE: 01/03/2005

TIME: 11:27:21

Input Set : A:\SEQ LIST p30693c4x1c1.txt  
 Output Set: N:\CRF4\01032005\I922067F.raw

4 <110> APPLICANT: MacPhee, Colin Houston  
 5 Tew, David Graham  
 6 Southan, Christopher Donald  
 7 Hickey, Deirdre Mary Bernadette  
 8 Gloger, Israel Simon  
 9 Lawrence, Geoffrey Mark Prouse  
 10 Rice, Simon Quentyn John  
 12 <120> TITLE OF INVENTION: Lipoprotein Associated Phospholipase A2,  
 13 Inhibitors Thereof and Use of the Same in Diagnosis and  
 14 Therapy  
 16 <130> FILE REFERENCE: P30693C4X1C1  
 18 <140> CURRENT APPLICATION NUMBER: 09/922,067F  
 19 <141> CURRENT FILING DATE: 2001-08-03  
 21 <150> PRIOR APPLICATION NUMBER: 09/193,130  
 22 <151> PRIOR FILING DATE: 2000-11-28  
 24 <150> PRIOR APPLICATION NUMBER: 08/387,858  
 25 <151> PRIOR FILING DATE: 1994-06-24  
 27 <150> PRIOR APPLICATION NUMBER: PCT/GB94/01374  
 28 <151> PRIOR FILING DATE: 1994-06-24  
 30 <150> PRIOR APPLICATION NUMBER: GB 9313144.9  
 31 <151> PRIOR FILING DATE: 1993-06-25  
 33 <160> NUMBER OF SEQ ID NOS: 14  
 35 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 37 <210> SEQ ID NO: 1  
 38 <211> LENGTH: 37  
 39 <212> TYPE: PRT  
 40 <213> ORGANISM: Homo sapien  
 42 <400> SEQUENCE: 1  
 43 Met Leu Lys Leu Lys Gly Asp Ile Asp Ser Asn Ala Ala Ile Asp Leu  
 44 1 5 10 15  
 45 Ser Asn Lys Ala Ser Leu Ala Phe Leu Gln Lys His Leu Gly Leu His  
 46 20 25 30  
 47 Lys Asp Phe Asp Gln  
 48 35  
 51 <210> SEQ ID NO: 2  
 52 <211> LENGTH: 30  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Homo sapien  
 56 <400> SEQUENCE: 2  
 57 Trp Met Phe Pro Leu Gly Asp Glu Val Tyr Ser Arg Ile Pro Gln Pro  
 58 1 5 10 15  
 59 Leu Phe Phe Ile Asn Ser Glu Tyr Phe Gln Tyr Pro Ala Asn  
 60 20 25 30

Does Not Comply  
Corrected Diskette Needed

PP31b

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,067F

DATE: 01/03/2005

TIME: 11:27:21

Input Set : A:\SEQ LIST p30693c4x1c1.txt  
 Output Set: N:\CRF4\01032005\I922067F.raw

63 <210> SEQ ID NO: 3  
 64 <211> LENGTH: 27  
 65 <212> TYPE: PRT  
 66 <213> ORGANISM: Homo sapien  
 68 <400> SEQUENCE: 3  
 69 Gln Tyr Ile Asn Pro Ala Val Met Ile Thr Ile Arg Gly Ser Val His  
 70 1 5 10 15  
 71 Gln Asn Phe Ala Asp Phe Thr Phe Ala Thr Gly  
 72 20 25  
 75 <210> SEQ ID NO: 4  
 76 <211> LENGTH: 19  
 77 <212> TYPE: PRT  
 78 <213> ORGANISM: Homo sapien  
 80 <400> SEQUENCE: 4  
 81 Trp Leu Met Gly Asn Ile Leu Arg Leu Leu Phe Gly Ser Met Thr Thr  
 82 1 5 10 15  
 83 Pro Ala Asn  
 87 <210> SEQ ID NO: 5  
 88 <211> LENGTH: 420  
 89 <212> TYPE: DNA  
 90 <213> ORGANISM: Homo sapien  
 92 <220> FEATURE:  
 93 <221> NAME/KEY: misc\_feature  
 94 <222> LOCATION: 265, 390, 395, 403, 406  
 95 <223> OTHER INFORMATION: n = A,T,C or G  
 97 <400> SEQUENCE: 5  
 98 aaaaaaccta ttttaatcct aattgttattt ctctattcct gaagagtct gtaacatgtat 60  
 99 gtgttgattt gttgtgttaa ttttgtccccc tggaataaga ttctcatcat ctccttcaat 120  
 100 caagcagtcc cactgatcaa aatctttatg aagtccctaa tgcttttgc agaatgctaa 180  
 101 tgaagctttt ttgctaagat caatagctgc atttgaatct atgtctccct ttaatttgc 240  
 W--> 102 catgtgtccca attatttgc cagtnccaa agtgaagtca gcaaaattct ggtggactga 300  
 103 acccctgatt gtaatcatct ttctttctt atcaggtgag tagcattttt tcatttttat 360  
 104 gatattagca ggatatttggaa aatattcagn gttgntaaaa agnggngct gagggattct 420  
 107 <210> SEQ ID NO: 6  
 108 <211> LENGTH: 379  
 109 <212> TYPE: DNA  
 110 <213> ORGANISM: Homo sapien  
 112 <220> FEATURE:  
 113 <221> NAME/KEY: misc\_feature  
 114 <222> LOCATION: 84  
 115 <223> OTHER INFORMATION: n = A,T,C or G  
 117 <400> SEQUENCE: 6  
 118 tgctaatacataaaaaatga aaaaatgtat ctcacccgtat aaagaaaagaa agatgattac 60  
 W--> 119 aatcagggggt tcagttccacc agantttgc tgacttact tttgcaactg gcaaaataat 120  
 120 tggacacatg ctcaattaa agggagacat agattcaat gtagctattt atcttagcaa 180  
 121 caaagcttca ttagcattct tacaaaagca tttaggactt cattaaagatt ttgttcagtg 240  
 122 ggactgcttg attgaaggag atgatgagaa tcttattcca gggaccaaca ttaacacaac 300  
 123 caattcaaca catcatgttt acagaacttc ttccaggaa taggagaaaa tacaattggg 360  
 124 gttaaaataa gttttttt 379

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,067F

DATE: 01/03/2005

TIME: 11:27:21

Input Set : A:\SEQ LIST p30693c4x1c1.txt  
Output Set: N:\CRF4\01032005\I922067F.raw

126 <210> SEQ ID NO: 7  
 127 <211> LENGTH: 279  
 128 <212> TYPE: DNA  
 129 <213> ORGANISM: Homo sapien *delete*  
 W--> 131 <220> FEATURE: Feature  
 132 <221> NAME/KEY: misc\_feature  
 133 <222> LOCATION: 257  
 134 <223> OTHER INFORMATION: n = A,T,C or G  
 136 <400> SEQUENCE: 7  
 137 gaagaatgca ttagattaa agtttgcata ggaacaactg aaggactcta ttgataggga 60  
 138 aaaaatagca gtaattggac attctttgg tggagcaacg gttattcaga ctcttagtga 120  
 139 agatcagaga ttcagatgtg gtattgcctt ggatgcatgg atgttccac tgggtgatga 180  
 140 agtatattcc agaattcctc agccctt ttttatcaac tctgaatatt tccaatatcc 240  
 W--> 141 tgctaataatc ataaaantgg aaaaatgcta ctcacacctgg 279  
 143 <210> SEQ ID NO: 8  
 144 <211> LENGTH: 572  
 145 <212> TYPE: DNA  
 146 <213> ORGANISM: Homo sapien  
 148 <400> SEQUENCE: 8  
 149 aaaaatagcag taattggaca ttcttaggt ggagcaacgg ttattcagac tcttagtgaa 60  
 150 gatcagagat tcagatgtgg tattgcctt gatgcatgg tgtttccact ggggtgatgaa 120  
 151 gtatattcca gaattcctca gcccctt tttatcaact ctgaatattt ccaatatcc 180  
 152 gctaataatca taaaaatgaa aaaatgtac tcacctgata aagaaaagaaa gatgattaca 240  
 153 atcagggggtt cagtcacca gaattttgtc gacttcactt ttgcaactgg caaaataatt 300  
 154 ggacacatgc tcaaattaaa gggagacata gattcaatgg tagctattga tcttagcaac 360  
 155 aaagcttcat cagcattctt acaaaagcat ttaggactt ataaagattt tgatcgtgg 420  
 156 gactgcttga ttgaaggaga ttagtggaaat cttattccat ggaccaacat taacacaacc 480  
 157 aatcaacaca tcatgttaca gaactcttca ggaatagaga aatacaatta ggattaaaat 540  
 158 aggttttta aaaaaaaaaa aaaaaaaaaact cg 572  
 160 <210> SEQ ID NO: 9  
 161 <211> LENGTH: 1361  
 162 <212> TYPE: DNA  
 163 <213> ORGANISM: Homo sapien  
 165 <400> SEQUENCE: 9  
 166 tgagagacta agctgaaact gctgctcagc tcccaagatg gtgccaccca aattgcatgt 60  
 167 gctttctgc ctctgcggct gcctggctgt ggtttatcct tttgacttgc aatacataaa 120  
 168 tcctgttgc catatgaaat catcagcatg ggtcaacaaa atacaagtac ttagtggctgc 180  
 169 tgcaagctttt ggccaaacta aaatcccccg gggaaatggg ctttattccg ttgggtgtac 240  
 170 agacttaatg tttgatcaca ctaataaggg caccttcttgc cgtttattt atccatccca 300  
 171 agataatgat cgccttgaca cccttggat cccaaataaa gaatattttt ggggtcttag 360  
 172 caaatttctt ggaacacact ggcttatggg caacattttg aggttactct ttggttcaat 420  
 173 gacaactctt gcaaactgga attccccctt gaggcctgg gaaaaatatc cacttgggt 480  
 174 tttttctcat ggtcttgggg cattcaggac actttattct gctattggca ttgacctggc 540  
 175 atctcatggg tttatagtttgc tgcgttgc acacagagat agatctgcat ctgcaactta 600  
 176 ctatattcaag gaccaatctg ctgcagaaat aggggacaag tcttggctct acctttagaaac 660  
 177 cctgaaacaa gaggaggaga cacatatacg aaatgagcag gtacggcaaa gagcaaaaga 720  
 178 atgttcccaa gctctcagtc tgattcttgc cattgatcat ggaaagccag tgaagaatgc 780  
 179 attagatttta aagtttgcata tggacaact gaaggactct attgataggg aaaaaatagc 840  
 180 agtaatttggaa catttttttgc tggagcaac ggttattcag actcttagtg aagatcagag 900

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,067F

DATE: 01/03/2005

TIME: 11:27:21

Input Set : A:\SEQ LIST p30693c4x1c1.txt  
 Output Set: N:\CRF4\01032005\I922067F.raw

181 attcagatgt ggtattgccc tggatgcatttccatgggtgatg aagtataattc 960  
 182 cagaattccct cagccctcttttatcaactctgaatatttccaaatctgctaataat 1020  
 183 cataaaaaatgaaaaaatgactcacctgataaagaaaaga aagatgatttcaatcagggg 1080  
 184 ttcaatccac cagaattttctgacttcac ttttgcactggcaaaataatggacacat 1140  
 185 gctcaaaatataaggagaca tagattcaatgcagctatttgcatttgcataat 1200  
 186 attagcattttacaaaagc atttaggacttcataaagattttgatcagtggactgctt 1260  
 187 gattgaagggatgtatgatgagaatcttattccaggaccaacattaaacacaaatcaaca 1320  
 188 catcatgttacagaactcttcaggaataga gaaatacaat 1361  
 191 <210> SEQ ID NO: 10  
 192 <211> LENGTH: 7  
 193 <212> TYPE: PRT  
 194 <213> ORGANISM: Homo sapien  
 196 <400> SEQUENCE: 10  
 197 Gln Tyr Ile Asn Pro Val Ala  
 198 1 5  
 201 <210> SEQ ID NO: 11  
 202 <211> LENGTH: 20  
 203 <212> TYPE: PRT  
 204 <213> ORGANISM: Homo sapien  
 206 <400> SEQUENCE: 11  
 207 Met Ile Thr Ile Arg Gly Ser Val His Gln Asn Phe Ala Asp Phe Thr  
 208 1 5 10 15  
 209 Phe Ala Thr Gly  
 210 20  
 213 <210> SEQ ID NO: 12  
 214 <211> LENGTH: 7  
 215 <212> TYPE: PRT  
 216 <213> ORGANISM: Homo sapien  
 218 <400> SEQUENCE: 12  
 219 Gln Tyr Ile Asn Pro Ala Val  
 220 1 5  
 223 <210> SEQ ID NO: 13  
 224 <211> LENGTH: 5  
 225 <212> TYPE: PRT  
 226 <213> ORGANISM: Homo sapien  
 228 <400> SEQUENCE: 13  
 229 Gln Tyr Ile Asn Pro  
 230 1 5  
 233 <210> SEQ ID NO: 14  
 234 <211> LENGTH: 441  
 235 <212> TYPE: PRT  
 236 <213> ORGANISM: Homo sapien  
 238 <400> SEQUENCE: 14  
 239 Met Val Pro Pro Lys Leu  
 240 1 5  
 242 His Val Leu Phe Cys Leu Cys Gly Cys Leu Ala Val Val Tyr Pro Phe  
 243 10 15 20  
 245 Asp Trp Gln Tyr Ile Asn Pro Val Ala His Met Lys Ser Ser Ala Trp  
 246 25 30 35

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/922,067F

DATE: 01/03/2005

TIME: 11:27:21

Input Set : A:\SEQ LIST p30693c4x1c1.txt  
 Output Set: N:\CRF4\01032005\I922067F.raw

248 Val Asn Lys Ile Gln Val Leu Met Ala Ala Ala Ser Phe Gly Gln Thr  
 249 40 45 50  
 251 Lys Ile Pro Arg Gly Asn Gly Pro Tyr Ser Val Gly Cys Thr Asp Leu  
 252 55 60 65 70  
 254 Met Phe Asp His Thr Asn Lys Gly Thr Phe Leu Arg Leu Tyr Tyr Pro  
 255 75 80 85  
 257 Ser Gln Asp Asn Asp Arg Leu Asp Thr Leu Trp Ile Pro Asn Lys Glu  
 258 90 95 100  
 260 Tyr Phe Trp Gly Leu Ser Lys Phe Leu Gly Thr His Trp Leu Met Gly  
 261 105 110 115  
 263 Asn Ile Leu Arg Leu Leu Phe Gly Ser Met Thr Thr Pro Ala Asn Trp  
 264 120 125 130  
 266 Asn Ser Pro Leu Arg Pro Gly Glu Lys Tyr Pro Leu Val Val Phe Ser  
 267 135 140 145 150  
 269 His Gly Leu Gly Ala Phe Arg Thr Leu Tyr Ser Ala Ile Gly Ile Asp  
 270 155 160 165  
 272 Leu Ala Ser His Gly Phe Ile Val Ala Ala Val Glu His Arg Asp Arg  
 273 170 175 180  
 275 Ser Ala Ser Ala Thr Tyr Tyr Phe Lys Asp Gln Ser Ala Ala Glu Ile  
 276 185 190 195  
 278 Gly Asp Lys Ser Trp Leu Tyr Leu Arg Thr Leu Lys Gln Glu Glu Glu  
 279 200 205 210  
 281 Thr His Ile Arg Asn Glu Gln Val Arg Gln Arg Ala Lys Glu Cys Ser  
 282 215 220 225 230  
 284 Gln Ala Leu Ser Leu Ile Leu Asp Ile Asp His Gly Lys Pro Val Lys  
 285 235 240 245  
 287 Asn Ala Leu Asp Leu Lys Phe Asp Met Glu Gln Leu Lys Asp Ser Ile  
 288 250 255 260  
 290 Asp Arg Glu Lys Ile Ala Val Ile Gly His Ser Phe Gly Gly Ala Thr  
 291 265 270 275  
 293 Val Ile Gln Thr Leu Ser Glu Asp Gln Arg Phe Arg Cys Gly Ile Ala  
 294 280 285 290  
 296 Leu Asp Ala Trp Met Phe Pro Leu Gly Asp Glu Val Tyr Ser Arg Ile  
 297 295 300 305 310  
 299 Pro Gln Pro Leu Phe Phe Ile Asn Ser Glu Tyr Phe Gln Tyr Pro Ala  
 300 315 320 325  
 302 Asn Ile Ile Lys Met Lys Lys Cys Tyr Ser Pro Asp Lys Glu Arg Lys  
 303 330 335 340  
 305 Met Ile Thr Ile Arg Gly Ser Val His Gln Asn Phe Ala Asp Phe Thr  
 306 345 350 355  
 308 Phe Ala Thr Gly Lys Ile Ile Gly His Met Leu Lys Leu Lys Gly Asp  
 309 360 365 370  
 311 Ile Asp Ser Asn Ala Ala Ile Asp Leu Ser Asn Lys Ala Ser Leu Ala  
 312 375 380 385 390  
 314 Phe Leu Gln Lys His Leu Gly Leu His Lys Asp Phe Asp Gln Trp Asp  
 315 395 400 405  
 317 Cys Leu Ile Glu Gly Asp Asp Glu Asn Leu Ile Pro Gly Thr Asn Ile  
 318 410 415 420  
 320 Asn Thr Thr Asn Gln His Ile Met Leu Gln Asn Ser Ser Gly Ile Glu

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(Sequence 14-end)

Lys Tyr Asn  
440

1/6

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/922,067F

DATE: 01/03/2005  
TIME: 11:27:22

Input Set : A:\SEQ LIST p30693c4x1c1.txt  
Output Set: N:\CRF4\01032005\I922067F.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 265,390,395,403,406

Seq#:6; N Pos. 84

Seq#:7; N Pos. 251

**VERIFICATION SUMMARY**

DATE: 01/03/2005

PATENT APPLICATION: US/09/922,067F

TIME: 11:27:22

Input Set : A:\SEQ LIST p30693c4x1c1.txt  
Output Set: N:\CRF4\01032005\I922067F.raw

L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240  
M:341 Repeated in SeqNo=5  
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:60  
L:131 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:240